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## NEW BOOKS.

**Plane Geometry.** By MABEL SYKES and CLARENCE E. COMSTOCK. Chicago, Rand, McNally and Company. Pp. xii + 322.

This book will prove interesting to all teachers who believe that geometry should train the pupils for original thinking. It discards the traditional formal proof to a great extent, giving instead analyses and methods of attack. Outline reviews placing emphasis on the use of propositions are also a good feature.

**Elements of Plane Trigonometry, with Brief Tables.** By ALFRED MONROE KENYON and LOUIS INGOLD. New York, The Macmillan Company. Pp. xxvii + 129.

This is an elementary text following out in simple form much the same idea that was used by the authors in their Plane and Spherical Trigonometry. It contains all that is necessary for a first course, and emphasizes the parts needed for practical use.

**Plane Geometry.** By MATILDA AUERBACH and CHARLES BURTON WALSH. Philadelphia, J. B. Lippincott Company. Pp. xvi + 383.

The unique feature of this text is its two part arrangement, the first part being a complete view of plane geometry treated in a manner to emphasize general interest and application, while the second part stresses college preparation.

The amount of material is great, with the advantage of richness, but the probable disadvantage of seeming like a large amount to the pupil. This disadvantage is somewhat emphasized by the arrangement, which gives the impression that the publishers have been too saving of paper.

There is much of excellence in the book, but there is also an occasional point that is open to criticism for looseness. The reviews might be mentioned for their interesting form.

**First Book in Algebra.** By FLETCHER DURELL and E. E. ARNOLD. New York, Charles E. Merrill Company. Pp. xxxiii + 325.

The subject matter of this book concerns itself less with complications, and more with equations, problems and graphs. It divides each chapter for a first and second reading, so that a simple first course can be followed by a more complete and theoretical second course.

Analysis of problems is emphasized throughout.

**Plane Trigonometry.** By JOHN WESLEY YOUNG and FRANK MILLETT MORGAN. New York, The Macmillan Company. Pp. vii + 122.

The trigonometrical part of "Elementary Mathematical Analysis" by the same authors has been revised and published in this form.

It emphasizes the numerical side of the subject, giving a minimum of theory. While the work is in condensed form, it seems complete and usable.

**Our Little Czecho-Slovak Cousin.** By CLARA VOSTROVSKY WINLOW. Boston, The Page Company. Pp. viii + 124.

This is a charming one of the "Little Cousin Series." It combines information and literary value with real interest.

**Applied Arithmetic, Books 2 and 3.** By N. J. LENNES and FRANCES JENKINS. Philadelphia, J. B. Lippincott Company. Book 2—Pp. ix + 294. (Fifth and Sixth Grades.) Book 3—Pp. ix + 340. (Seventh and Eighth Grades.)

The material in these books is well chosen from the standpoint of interest, ease of use, and usefulness. Topics of doubtful value have been put in the list of supplementary topics.

They are worthy of consideration by any school organized on the eight grade basis.

**Fundamentals of High School Mathematics.** By HAROLD O. RUGG and JOHN R. CLARK. Yonkers-on-Hudson, N. Y., World Book Company. Pp. xv + 366. Price \$1.60.

This ninth year course is perhaps the nearest approach to the recommendations in the preliminary report of the National Committee of any book yet written. It embodies the results of much educational research, and has been subjected to the criticisms of a large body of teachers drawn from every state in the Union.

It merits careful examination by any school that wishes to keep abreast of the latest developments in the pedagogy of algebra.

**Applied Mathematics.** By EUGENE H. BARKER. Boston, Allyn and Bacon. Pp. viii + 247. Price \$1.25.

This book treats of mathematics in business transactions, and applications to common uses, such as those of the household, the farm and the office. It presents the material well, and seems suited to such a course in either the junior or senior high school.

**Household Arithmetic.** By KATHARINE F. BALL and MIRIAM E. WEST. Philadelphia, J. B. Lippincott Company. Pp. 271.

A very practical and complete book for girls. It is well planned and should prove a valuable preparation for efficient management of a home.

The book is organized under the headings—Budgets and Accounts, Shelter, Operation, Clothing, Food, and Higher Life.